

Bicycle crank and its manufacture

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- european:
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Abstract of TW499380B

Disclosed is a bicycle crank with a gear disk end, a pedal end and a crank body extending between the gear disk end and the pedal end. The bicycle crank is made by forging process and formed with a closed joint at the pedal end by means of annular forging process. The crank body is a hollow structure. The bicycle crank is made by the methods of: forming a pedal end at an end of an aluminum alloy ingot; drawing the pedal end to form the aluminum alloy ingot into a hollow, tubular structure; forging another end of the aluminum alloy ingot to form a gear disk end; filling a filler into the hollow, tubular structure; forming a closed joint at the pedal end by annular forging process; forming the crank to obtain a crank structure; forming a plurality of openings on the crank structure to release the filler so as to obtain the final crank structure.

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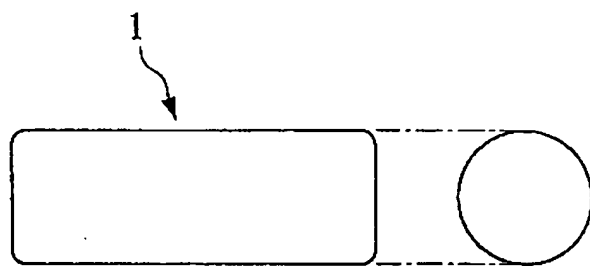


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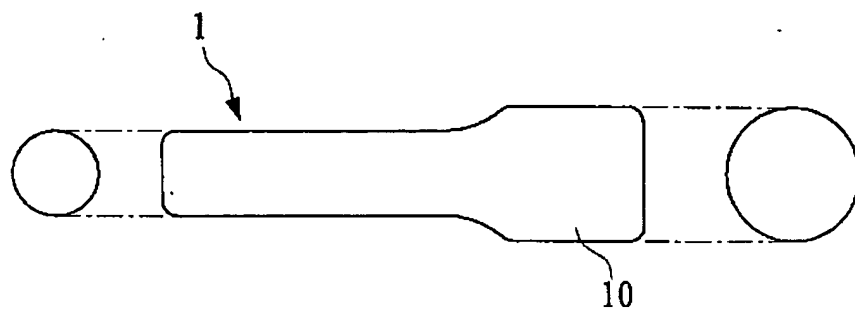


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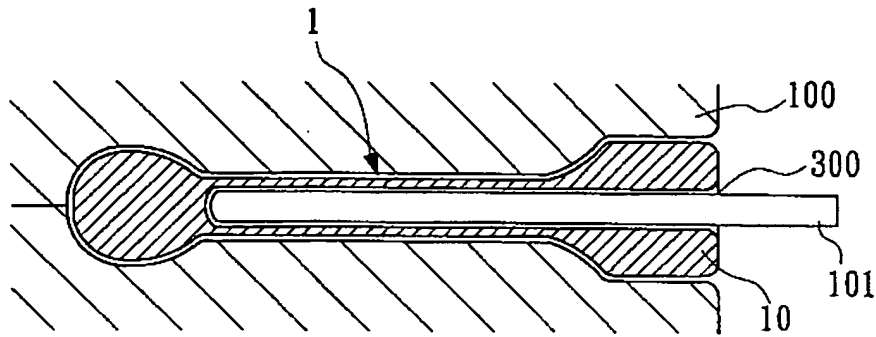


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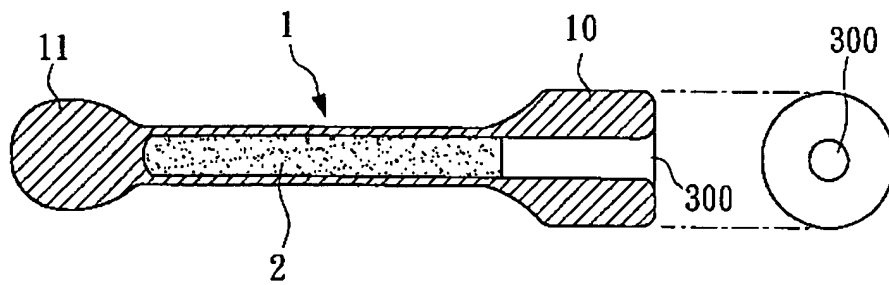


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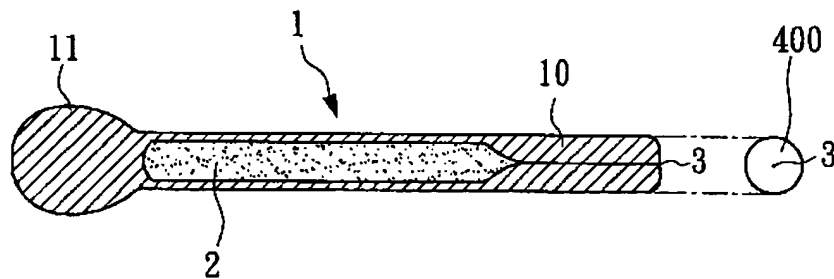


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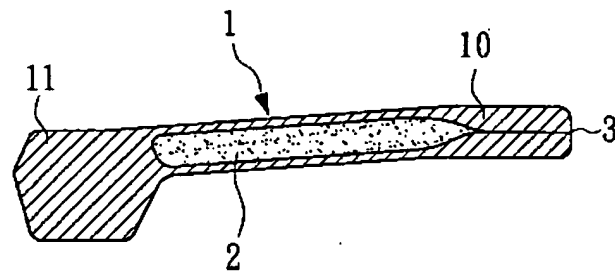


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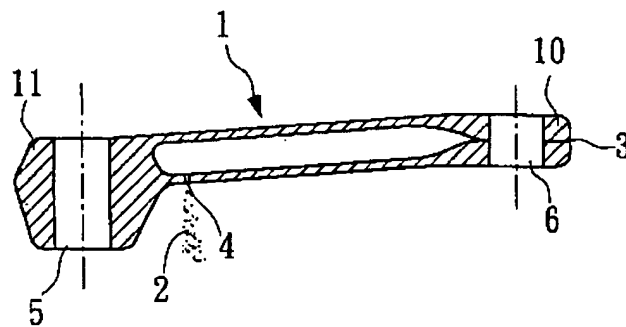


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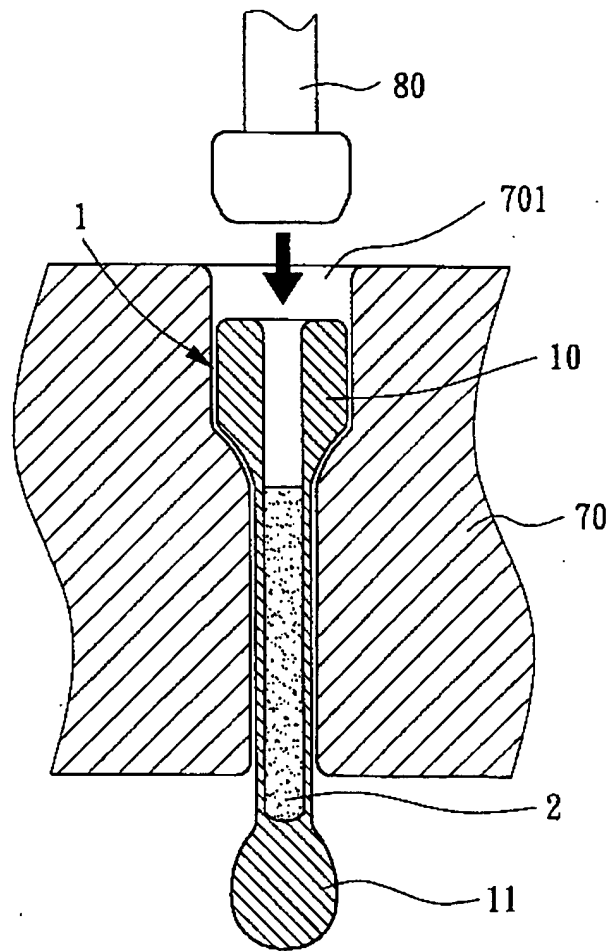


圖 二 A

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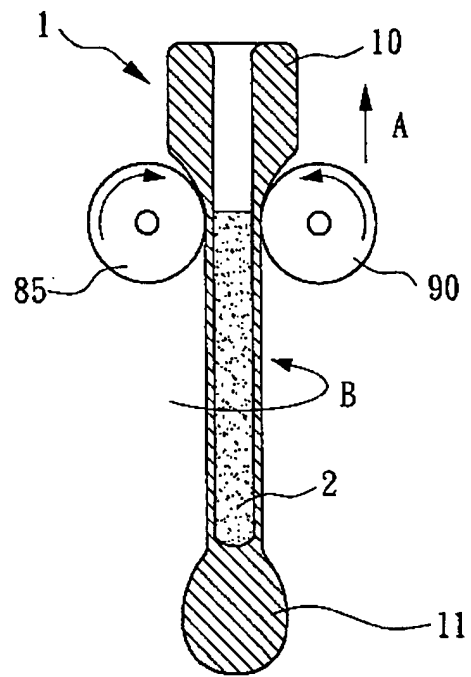


圖 二 B